SEQUENCE LISTING

<110> Unger, Evan C.

<120> Charged Lipids and Uses For The Same

<130> UNGR1592

<140> 09/540,448
<141> 2000-03-31

<150> 08/925,353
<151> 1997-09-08

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<400> 1
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1 5

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Phe Glu Trp Pro Gly Trp Tyr Gln Xaa Tyr Ala Leu Pro Leu
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<400> 4
Arg Gly Asp Ser
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Gly Arg Gly Asp Ser Pro
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Gly Pro Arg Pro
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Asn Lys Leu Ile Val Arg Arg Gly Gln Ser Phe Tyr Val Gln Ile Asp
1 5 10 15

Phe Ser Arg Pro Tyr Asp Pro Arg Arg Asp Leu Phe Arg Val Glu Tyr
20 25 30

Val Ile Gly Arg Tyr Pro Gln Glu Asn Lys Gly Thr Tyr Ile Pro Val
35 40 45

Pro Ile Val Ser Glu Leu Gln Ser Gly Lys Trp Gly Ala Lys Ile Val
50 55 60

Met Arg Glu Asp Arg Ser Val Arg Leu Ser Ile Gln Ser Ser Pro Lys
65 70 75 80

Cys Ile Val Gly Lys Phe Arg Met Tyr Val Ala Val Trp Thr Pro Tyr
85 90 95

Gly Val Leu Arg Thr Ser Arg Asn Pro Glu Thr Asp Thr Tyr Ile Leu
100 105 110

Phe Asn Pro Trp Cys Glu Asp Asp Ala Val Tyr Leu Asp Asn Glu Lys
115 120 125

Glu Arg Glu Glu Tyr Val Leu Asn Asp Ile Gly Val Ile Phe Tyr Gly
130 135 140

Glu Val Asn Asp Ile Lys Thr Arg Ser Trp Ser Tyr Gly Gln Phe
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<222> (9)
<223> X is unknown

<400> 8
Asn Lys Leu Ile Val Arg Arg Gly Xaa Ser Phe Tyr Val Gln Ile Asp
1 5 10 15

Phe Ser Arg Pro Tyr Asp Pro Arg Arg Asp
20 25

<210> 9
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<400> 9
Asp Asp Ala Val Tyr Leu Asp Asn Glu Lys Glu Arg Glu Glu Tyr Val
1 5 10 15

Leu Asn Asp Ile Gly Val Ile Phe Tyr Gly Glu Val Asn Asp Ile Lys
20 25 30

Thr Arg Ser Trp Ser Tyr Gly Gln Phe
35 40

<210> 10

<211> 9
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<220>
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<400> 10
Ala Arg Arg Ser Ser Pro Ser Tyr Tyr
1 5

<210> 11
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<400> 11
Gly Ala Gly Pro Tyr Tyr Ala Met Asp Tyr
1 5 10

<210> 12
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Arg Ser Pro Ser Tyr Tyr Arg Tyr Asp Gly Ala Gly Pro Tyr Tyr Ala
1 5 10 15
Met Asp Tyr

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<220>
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Ala Arg Arg Ser Pro Ser Tyr Tyr Arg Tyr Asp Gly Ala Gly Pro Tyr
1 5 10 15

Tyr Ala Met Asp Tyr
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<223> X is any amino acid

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1 5 10 15

Ala Thr Cys Lys Leu Arg Pro Gly Ala Gln Cys Ala Asp Gly Leu Cys
20 25 30

Cys Ala Gly Cys Arg Phe Lys Xaa Xaa Arg Thr Ile Cys Arg Arg Ala
35 40 45

Arg Gly Asp Asn Pro Asp Asp Arg Cys Thr Gly Gln Ser Ala Asp Cys
50 55 60

Pro Arg Asn Gly Tyr
65

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<400> 15

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Glu Ala Gly Glu Asp Cys Asp Cys Gly Ser Pro Ala Asn Pro Cys Cys
 1               5                  10                  15

Asp Ala Ala Thr Cys Lys Leu Leu Pro Gly Ala Gln Cys Gly Glu Gly
            20                  25                  30

Leu Cys Cys Asp Gln Cys Ser Phe Met Lys Lys Gly Thr Ile Cys Arg
        35                  40                  45

Arg Ala Arg Gly Asp Asp Leu Asp Asp Tyr Cys Asp Gly Ile Ser Ala
    50                  55                  60

Gly Cys Pro Arg Asn Pro Leu His Ala
65                  70
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<220>
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<400> 16

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Glu Ala Gly Glu Glu Cys Asp Cys Gly Thr Pro Glu Asn Pro Cys Cys
 1               5                  10                  15

Asp Ala Ala Thr Cys Lys Leu Arg Pro Gly Ala Gln Cys Ala Glu Gly
            20                  25                  30

Leu Cys Cys Asp Gln Cys Arg Phe Lys Gly Ala Gly Lys Ile Cys Arg
        35                  40                  45

Arg Ala Arg Gly Asp Asn Pro Asp Asp Cys Thr Gly Gln Ser Ala Asp
    50                  55                  60

Cys Pro Arg Phe
65
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Gly Gly Glu Cys Asp Cys Gly Ser Pro Glu Asn Pro Cys Cys Asp Ala
1 5 10 15

Ala Thr Cys Lys Leu Arg Pro Gly Ala Gln Cys Ala Asp Gly Leu Cys
20 25 30

Cys Asp Gln Cys Arg Phe Lys Xaa Xaa Arg Thr Ile Cys Arg Ile Ala
35 40 45

Arg Gly Asp Phe Pro Asp Asp Arg Cys Thr Gly Leu Ser Ala Asp Cys
50 55 60

Pro Arg Xaa Asn Asp Leu
65 70

<210> 18
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 18
Arg Glu Tyr Val Val Met Trp Lys
1 5

<210> 19
<211> 8
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<220>
<223> Description of Artificial Sequence: Novel Sequence

<400> 19
Cys Arg Gly Asp Met Phe Gly Cys
1 5

<210> 20
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<400> 20
Cys Arg Gly Asp Met Leu Arg Cys
1 5

<210> 21
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<400> 21
Cys Arg Gly Asp Phe Leu Asn Cys
1 5

<210> 22
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<400> 22
Cys Asn Thr Leu Lys Gly Asp Cys
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<210> 23
<211> 8
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<400> 23
Cys Asn Trp Lys Arg Gly Asp Cys
1 5

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<400> 24
Cys Arg Gly Asp Xaa
1 5

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Leu Ser Pro Phe Pro Phe Asp Leu
1 5

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Leu Ser Pro Phe Ala Phe Asp Leu
1 5

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Leu Ser Ala Phe Pro Phe Asp Leu
1 5

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<400> 28
Leu Ser Pro Phe Pro Phe Asp Ala
1 5

<210> 29
<211> 9
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<400> 29
Ser Pro Phe Pro Phe Asp Leu Leu Leu
1 5

<210> 30
<211> 8
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<400> 30
Gln Leu Ser Pro Ser Pro Asp Leu
1 5

<210> 31
<211> 8
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<400> 31
Ser Ile Ile Asn Phe Glu Lys Leu
1 5

<210> 32
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<400> 32
Leu Ser Pro Tyr Pro Phe Asp Leu
1 5

<210> 33
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<400> 33
Ala Ser Pro Phe Pro Phe Asp Leu
1 5

<210> 34
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<400> 34
Ser Ser Phe Gly Ala Phe Gly Ile Phe Pro Lys
1 5 10

<210> 35
<211> 16
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<400> 35
Ala Asn Glu Arg Ala Asp Leu Ile Ala Tyr Leu Lys Gln Ala Thr Lys
1 5 10 15

<210> 36
<211> 17
<212> PRT
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<400> 36
Ala Asn Glu Arg Ala Asp Leu Ile Ala Tyr Leu Lys Gln Ala Thr Ala
1 5 10 15

Lys

<210> 37
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1 5 10 15